PAT VT COOPERATION TREAT

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NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREA	rom th	e INTER	NATIONAL	BUREAU
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To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year) 06 December 2000 (06.12.00)	Arlington, VA 22202 ETATS-UNIS D'AMERIQUE in its capacity as elected Office
International application No. PCT/US00/06905	Applicant's or agent's file reference IO-1008/PCT
International filing date (day/month/year) 16 March 2000 (16.03.00)	Priority date (day/month/year) 17 March 1999 (17.03.99)
Applicant MAXWELL, Peter et al	
The designated Office is hereby notified of its ele In the demand filed with the International B. In the demand filed with the International B. In the demand filed with the International B. In the demand filed with the International B.	

L	MAXWELL, Peter et al
1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	17 October 2000 (17.10.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).
	\cdot

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Nestor Santesso

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

FOR FURIDER ACTION		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)
PCT/US00/06905 16 MARCH 2000		17 MARCH 1999
International Patent Classification (IPC IPC(7): G01V 1/00 and US Cl.: 181		
Applicant INPUT/OUTPUT, INC.		
Examining Authority and it 2. This REPORT consists of This report is also accoobeen amended and are (see Rule 70.16 and See	is transmitted to the applicant ac a total of sheets. impanied by ANNEXES, i.e., sheets the basis for this report and/or shee ection 607 of the Administrative In	s of the description, claims and/or drawings which have ets containing rectifications made before this Authority.
These annexes consist of a	total of _C sheets.	
3. This report contains indicati	ons relating to the following iter	ms:
I X Basis of the report		
II Priority		
III Non-establishment of report with regard to novelty, inventive step or industrial applicability		
IV Lack of unity of invention V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement		
VI Certain document		
	n the international application	
	ons on the international application	n
VIII Certain observation	on the international application	11
	<u> </u>	
Date of submission of the demand	Date o	f completion of this report
17 OCTOBER 2000	04	JANUARY 2001
Name and mailing address of the IPE	'	rized officer
Commissioner of Patents and Trace Box PCT		HANH DANG A COCK (COCK)
Washington, D.C. 20231 Facsimile No. (703) 305-3230 Telephone No. (703) 308-0211		

International application No.

PCT/US00/06905

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

1. With regard to the elements of the international application: * X the international application as originally filed X the description:	d ed 19 d ed d ed		
the description: pages 1-50 , as originally filed pages NONE , filed with the letter of the claims: pages 51-58 , as originally file pages NONE , filed with the letter of the claims: pages NONE , as amended (together with any statement) under Article pages NONE , filed with the letter of the claims: pages NONE , as amended (together with any statement) under Article pages NONE , filed with the letter of the drawings:	d ed 19 d ed d ed		
the description: pages 1-50 , as originally file pages NONE , filed with the demar pages NONE , filed with the letter of X the claims: pages 51-58 , as originally file pages NONE , as amended (together with any statement) under Article pages NONE , filed with the letter of X the drawings:	d ed 19 d ed d ed		
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pages NONE , filed with the letter of X the claims: pages 51-58 , as originally file pages NONE , as amended (together with any statement) under Article pages NONE , filed with the letter of , filed with the demandary pages NONE , filed with the letter of	ed 19 d —		
the claims: pages 51-58 , as originally fil pages NONE , as amended (together with any statement) under Article pages NONE , filed with the letter of the drawings:	ed 19 d — d		
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	d -		
	d -		
pages 1-34 , as originally file	d -		
pages NONE , filed with the deman			
pages, filed with the letter of			
_			
X the sequence listing part of the description:			
pages NONE , as originally file	d.		
pages NONE , filed with the demandary pages NONE , filed with the letter of	a		
pages, filed with the letter of	_		
the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and or 55.3).			
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:			
contained in the international application in printed form.			
filed together with the international application in computer readable form.			
furnished subsequently to this Authority in written form.			
furnished subsequently to this Authority in computer readable form.			
The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.			
The statement that the information recorded in computer readable form is identical to the writen sequence listing has been furnished.			
4. X The amendments have resulted in the cancellation of:			
X the description, pages none			
X the claims, Nos. none			
X the drawings, sheets/fig none			
5. This report has been drawn as if (some of) the amendments had not been made, since they have been considered to g	()		
beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** * Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70 and 70.17). **Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.	to		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/06905

statement			
Novelty (N)	Claims	1-38	Y
	Claims	none	N
Inventive Step (IS)	Claims	1-38	
	Claims	none	N
Industrial Applicability (IA)	Claims	1-38	
	Claims	none	
citations and explanations (Rule) because the prior set does not took	a or fairly suggest a syste
Claims 1-38 meet the criteria set out in PC1 for acquiring seismic data comprising one omodule; wherein the sensor module comprises of sensitivity.	r more sensor m	odules and one or more seismic recor	ders coupled to the senso
NONE			

PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: TODD A. BYNUM
MADAN, MOSSMAN & SRIRAM, P.C.
2603 AUGUSTA, SUITE 700
HOUSTON, TEXAS 77057

JAN 2 9 2001

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NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)

2 5 JAN 2001

Applicant's or agent's file reference

14737.732.02

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority Date (day/month/year)

PCT/US00/06905 (TO-1008 PCT)

16 MARCH 2000

17 MARCH 1999

Applicant

INPUT/OUTPUT, INC.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

Telephone No. (703) 308-0211



PCT

REQUEST

For receiving Office use only		
nternational Application No		
nternational Filing Date		
Name of receiving Office and "PCT International Application"		

-	International Filing Date			
	1			
The undersigned requests that the present international application be processed	Luper Indication"			
according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"			
	Applicant's or agent's file reference (if desired) (12 characters maximum) 14737.732.02			
	(1) desired) (12 thandeuts means)			
BOX NO. I TITLE OF INVENTION				
ACCELEROMETER TRANSDUCER USED FOR SEISMIC RECORDING				
Box No. II APPLICANT				
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No				
INPUT/OUTPUT, INC.	281-933-3339			
12300 Charles E. Selecman Drive	Facsimile No.			
Suite 200	281-552-3157			
Stafford, Texas 77477 United States of America	Teleprinter No.			
ourieu seaces or meerieu				
State (that is, country) of nationality. US State (that is, country) of residence: US				
This person is applicant for the purposes of. all designated States all designated States except the United States of America only the Supplemental Box				
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)				
Name and address: Family name followed by given name; for a designation. The address must include postal code and name of coaddress indicated in this Box is the applicant's State (that is, count of residence is indicated below.) MAXWELL, Peter Houston, Texas United States of America	This person is This person is This person is applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)			
State (that is, country) of nationality:	State (that is, country) of residence.			
US	US			
This person is applicant all designated for the purposes of.	ted States except States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated	on a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIV	E; OR ADDRESS FOR CORRESPONDENCE			
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as.				
Name and address: (Family name followed by given name; for designation. The address must include postal				
McCOMBS, David L.; KICE, Warren B.; BEC BELL, James R.; BUSH, Michael S.; COLS	KER, Jerrey M.;			
DAVIS, JR., Michael A.; DeLEON, Ruben C	:.; HEADLEY, Tim; 713-547-2600			
IRANI, Rita M.; BALCONI-LAMICA, Michael;	MATTINGLY, Todd; /13-347-2000			
O'DELL, David M.; SARFATIS, Brandi W.; S. Haynes and Boone, LLP, 1000 Louisiana Houston, Texas 77002, UNITED STATES OF A	St., Ste 4300,			
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the				

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)		
If none of the following sub-boxes is used, this sheet should not be included in the request.		
Name and address (Family name followed by given name; for a lidesignation. The address must include postal code and name of country address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) BEHN, Lawrence P. 1011 Crossroads Drive Houston, Texas 77079 United States of America	regal entity, full official of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)	
State (that is, country) of nationality: US	State (that is, country) of residence. US	
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a lidesignation. The address must include postal code and name of couloddress indicated in this Box is the applicant's State (that is, country of residence is indicated below.) BEDNAR, Eugene D. 9134 Troulon Drive Houston, Texas 77036 United States of America	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)	
State (that is, country) of nationality: US	State (that is, country) of residence: US	
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box	
Name and address (Family name followed by given name: for a designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) GANNON, Jeffery C. 743 Last Arrow Drive Houston, Texas 77079 United States of America	legal entity, full official nby. The country of the country of the person is: This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)	
State (that is, country) of nationality: US	State (that is, country) of residence:	
This person is applicant all designated for the purposes of:	d States except the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name: for a designation. The address must include postal code and name of con address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) CORRIGAN, Michael Arthur 80 Eagle Rock Circle The Woodlands, Texas 77381 United States of America	inury The Country of the	
State (that is, country) of nationality US	State (that is, country) of residence: US	
This person is applicant all designated for the purposes of States all designated the United States	the States except the United States the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated on another continuation sheet.		

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)		
If none of the following sub-boxes is used, this sheet should not be included in the request		
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) RAGAN, Glen 1330 Ravenscourt Sugar Land, Texas 77478 United States of America	gal entity, full official by. The country of the of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
State (that is, country) of nationality:	State (that is, country) of	residence:
US	States except	United States
This person is applicant for the purposes of: all designated all designated the United States.		America only the Supplemental Box
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) LAMBERT, Dale J. 401 Stewart Avenue River Ridge, Louisiana 70123 United States of America	egal entity, full official try. The country of the of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
State (that is, country) of nationality:	State (that is, country) of	residence
US	US	: United States the States indicated in
This person is applicant all designated for the purposes of: all designated the United States	tes of America of	America only the Supplemental Box
Name and address (Family name followed by given name: for a led designation. The address must include postal code and name of cour address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) POLK, Henry Thomas 12531 Rocky Knoll Houston, Texas 77077 United States of America	egal entity, full official Bry. The country of the Of residence if no State	This person is applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
State (that is, country) of nationality:	State (that is, country) o	f residence:
This person is applicant all designated for the purposes of: States all designated the United States		the States indicated in the Supplemental Box
Name and address (Family name followed by given name: for a l designation The address must include postal code and name of count address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) ROCHE, Steven L. 6011 Mound Airy Court Sugar Land, Texas 77479 United States of America		This person is. applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
State (that is, country) of nationality	State (that is, country) of	residence.
US	US	he United States the States indicated in
This person is applicant for the purposes of all designated States all designated the United St		of America only the Supplemental Box
Further applicants and/or (further) inventors are indicated on another continuation sheet		

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)		
If none of the following sub-boxes is used, this sheet should not be included in the request		
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) BERTRAND, Wilfred Roy 11707 Blair Meadow Meadows Place, Texas 77477 United States of America This person is: applicant only applicant and inventor inventor only (If this checkis marked, do not fill in below		
State (that is, country) of nationality: US	State (that is, country) of residence: US	
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a l designation. The address must include postal code and name of cour address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) WILSON, David 4431 Westray Missouri City, Texas 77459 United States of America	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality. US	State (that is, country) of residence: US	
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name: for a l designation. The address must include postal code and name of cour address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) CAIN, Byron Lee 14930 Camino Rancho Houston, Texas 77083 United States of America	regal entity, full official aby. The country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)	
State (that is, country) of nationality: US	State (that is, country) of residence: US	
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Name and address: (Family name followed by given name: for a designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) MCMAHON, Michael George 10500 Fountain Lake Drive, \$417 Stafford, Texas 77477 United States of America	ntry. The country of the	
State (that is, country) of nationality:	State (that is, country) of residence	
	d States except ates of America only the States indicated in the Supplemental Box	
for the purposes of States the United States Further applicants and/or (further) inventors are indicated of		

Sheet No. ... 05

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)				
If none of the following sub-boxes is used, this sheet should not be included in the request.				
Name and address: (Family name followed by given name: for a lidesignation. The address must include postal code and name of cour address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) DOWNEY, JR., John C. 11827 Chase Lake Drive Houston, Texas 77077 United States of America	regal entity, full official aby. The country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)			
State (that is, country) of nationality: US	State (that is, country) of residence: US			
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a lidesignation. The address must include postal code and name of counaddress indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) ELDER, Keith Houston, Texas United States of America	This person is: The country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated all designated	US States except			
for the purposes of: all designated for the purposes of: all designated the United States	tes of America of America only the Supplemental Box			
Name and address (Family name followed by given name; for a lidesignation. The address must include postal code and name of coulong address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.)	This person is: This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)			
State (that is, country) of nationality:	State (that is, country) of residence:			
	States except the United States the States indicated in the sof America only the Supplemental Box			
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.)	legal entity, full official nity. The country of the			
State (that is, country) of nationality:	State (that is, country) of residence:			
	States except the United States the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated on another continuation sheet				

Box No.V	DESIGNATION OF STATES					
The following	ng designations are hereby made under Rule 4.9(a) (mar	k the a	pplicable check-boxes, at least one must be marked).			
Regional Pa	atent					
AP AR TZ Pro	AP ARIPO Patent: GHGhana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT					
EA Eur RU Cor	EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT					
EP Eur DK MC	Convention and of the PCT EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT					
OA OA GA oth	OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT(if other kind of protection or treatment desired, specify on dotted line)					
	atent (if other kind of protection or treatment desired, specifi					
	0 1 A 1 B 1 A	_	Liberia			
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IZI LC Sa	aint Lucia					
Brancisco	ri Lanka	_				
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)						

Sheet No. 07

D. N. VI. PRIORIT	V CL AIM		Further pr	iority claims are indicated	in the Supplemental Box	
Box No. VI PRIORIT	Y CLAIM	Number	Futther pr			
Filing date Number of earlier application of earlier application			Where earlier application is:			
(day/month/year)		••	national application: country	regional application:*	receiving Office	
item (1) 17 Mar 1999 (17.03.99)	60/1	25,076	US			
item (2)						
					<u></u>	
item (3)						
The receiving Office i of the earlier applicate purposes of the preser	ionis i <i>ioniv ii</i>	ine eurner appi	ismit to the International I lication was filed with th the receiving Office) ident	e Office which for the	(1)	
Where the earlier application Convention for the Protection	on is an ARIPO of Industrial P	application, it is no	nandatory to indicate in the i that earlier application was f	Supplemental Box at least on iled (Rule 4.10(b)(11)). See Su	e country party to the Paris applemental Box.	
		ARCHING AU				
Choice of International Se (if two or more International competent to carry out the in the Authority chosen; the two-l	l Searching Ai iternational sec	ithorities are sec arch, indicate		arlier search; reference or requested from the Internati Number		
ISA/US	· · · · · · · · · · · · · · · · · · ·		(,,		,, ,	
Box No. VIII CHECK I	LIST; LANG	GUAGE OF FIL	ING			
This international applicati		This internation	nal application is accomp	anied by the item(s) marke	ed below:	
the following number of s	neets 06	1. 🔯 fee calcu	ulation sheet			
request : description (excluding	50	2. separate	signed power of attorney	,		
sequence listing part)	30	3. copy of	general power of attorney	r, reference number, if an	y :	
claims :	09	4. Statemen	nt explaining lack of signs	ature		
abstract :	01	5. priority	document(s) identified in	Box No. VI as item(s):		
drawings :	34	6. 🔲 translati	ion of international applic	ation into (language):		
sequence listing part	00	7. separate indications concerning deposited microorganism or other biological material				
of description :		8. nucleoti	ide and/or amino acid sequ	sence listing in computer r	eadable form	
Total number of sheets:	100	9. 🔯 other (s _i	pecify): \$2,568 Che	ck for filing fe	es; postcard	
Figure of the drawings which should accompany the abstract: Language of filing of the international application. ENGLISH						
		LICANT OR A				
Next to each signature, indicate t	he name of the p	erson signing and the	e capacity in which the person s	gns (if such capacity is not obvio	ous from reading the request).	
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1/22/	10-N					
	<u>,m,</u>	}	 	March	2000	
Todd Mattingly, Agent (Date)						
For receiving Office use only						
Date of actual receipt of international application			,		2. Drawings:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application.						
4 Date of timely receipt of the required not received corrections under PCT Article 11(2):						
International Searching (if two or more are con	Authority IS	SA/		ittal of search copy delaye arch fee is paid	d	
		For Int	ternational Bureau use on	ly		
Date of receipt of the receipt by the International Burea						

This sheet is not part of and does not count as a sheet of the international application

PCT For receiving Office use only -FEE CALCULATION SHEET International application No. Annex to the Request Applicant's or agent's Date stamp of the receiving Office 14737.732.02 file reference Applicant INPUT/OUTPUT, INC. CALCULATION OF PRESCRIBED FEES Ţ 240.00 TRANSMITTAL FEE S 450.00 2 SEARCH FEE International search to be carried out by (If two or more International Searching Authorities are competent in relation to the international application, indicate the name of the Authority which is chosen to carry out the international search.) 3 INTERNATIONAL FEE Basic Fee The international application contains 100 427.00 first 30 sheets 700.00 additional amount remaining sheets В 1,127.00 Add amounts entered at b1 and b2 and enter total at B Designation Fees The international application contains all designations D 736.00 amount of designation fee number of designation fees payable (maximum 8) 1,863.00 I Add amounts entered at B and Dand enter total at I (Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.) P 15.00 4 FEE FOR PRIORITY DOCUMENT (if applicable) 2,568.00 5 TOTAL FEES PAYABLE Add amounts entered at T, S, I and P, and enter total in the TOTAL box TOTAL The designation fees are not paid at this time MODE OF PAYMENT authorization to charge coupons bank draft deposit account (see below) other (specify): cash cheque revenue stamps postal money order DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices) is hereby authorized to charge the total fees indicated above to my deposit account. The RO US (this check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account. is hereby authorized to charge the fee for preparation and transmittal of the priority document to the International Bureau of WIPO to my deposit account March 2000 08-1394 Reg. 40,298 Signature Todd Mattingly Date (day month/year) Deposit Account No



PCT



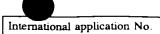
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or specific file Course	<u> </u>					
Applicant's or agent's file reference 14737.732.02	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/m	nonth/year) Priority date (day/month/year)				
PCT/US00/06905 .	16 MARCH 2000	17 MARCH 1999				
International Patent Classification (IPC) of IPC(7): G01V 1/00 and US Cl.: 181/1						
Applicant INPUT/OUTPUT, INC						
This international prelimina Examining Authority and is This REPORT consists of a	transmitted to the applicant a	been prepared by this International Preliminary according to Article 36.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a to	tal of <u>C</u> sheets					
3. This report contains indication	s relating to the following ite	ems.				
l X Basis of the repor	t					
II Priority						
<u> </u>	t at rapart with roughly has	velty, inventive step or industrial applicability				
		veny, inventive step of industrial applications				
IV Lack of unity of a						
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement						
VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
Date of submission of the demand	Date	of completion of this report				
17 OCTOBER 2000	04	JANUARY 2001				
Name and mailing address of the IPEA U	S Autho	rized officer				
Commissioner of Patents and Tradem: Box PCT	arks	HANH DANG + (12)				
Washington, D.C. 20231 Facsimile No. (703) 305-3230	-					
Facsimile No. (703) 305-3230	relept	none No. (703) 308-0211				



INTERNATIONAL PRELIMINARY EXAMINATION REPORT



PCT/US00/06905

I.	Basis of	the report				
1. V	Vith regard	to the elements of the international applic	eation:*			
_	_	ernational application as originally				
		scription:				
L.	ΛI	1.60		as originally filed		
		NONE		, filed with the demand		
	pages	NONE	, filed with the letter of			
_						
L	the cla	** **				
			, as amended (together with any	, as originally filed		
			, as amended (together with any			
			with the letter of	, med with the demand		
		awings:				
	pages	NONE	, filed with the letter of			
Б	the sec	uence listing part of the description:				
نا	pages		·	as originally filed		
	pages	NONE		, filed with the demand		
	pages	NONE	filed with the letter of			
	the lan	guage of a translation furnished for guage of publication of the interna- mage of the translation furnished for th	Authority in the following language	under Rule 23.1(b)).		
3 V	Vith regard oreliminary	to any nucleotide and/or amino ac examination was carried out on the	id sequence disclosed in the international basis of the sequence listing.	l application, the international		
	contain	ed in the international application	in printed form.			
F	filed together with the international application in computer readable form.					
furnished subsequently to this Authority in written form						
furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the						
	⊐ internat 	ional application as filed has been fu	irnished	·		
	The stat	ement that the information recorded in mished.	computer readable form is identical to the	e writen sequence listing has		
4. 2	The an	nendments have resulted in the can	cellation of			
	X tl	ne description, pages none				
		ne claims. Nos none				
	X 11	ne drawings, sheets /fig none				
5 Г	_		arnendments had not been made, since the	r hara kaan aanakan 14		
· L	_		the Supplemental Box (Rule 70.2(c)) **	y have been considered to go		
in	placement .	sheets which have been furnished to the	receiving Office in response to an invitation nexed to this report since they do not con	under Article 14 are referred to tain amendments (Rules 70.16		
		ment sheet containing such amendmen	is must be referred to under item I and a	innexed to this report.		



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/06905

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

	g such statem		
statement			
Novelty (N)	Claims	1-38	_ YE
- · ·	Claims	none	NO
Inventive Step (IS)	Claims	1-38	_ YE
	Claims	none	_ N(
T. J. and J. A. and J. Markettan	Claima	1_39	371
Industrial Applicability (IA)	Claims Claims	1-38 none	_ YI _ N(
	Claims	none	_ 140
citations and explanations (Rule	70.7)		
module: wherein the sensor module comprise ixes of sensitivity		accelerometers, and wherein the accelerometers have one of	r mor



INTERNATIONAL SEARCH REPORT



International application No. PCT/US00/06905

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01V 1/00					
US CL :181/108 According to International Patent Classification (IPC) or to both national classification and IPC					
	LDS SEARCHED	national classification and IPC			
	locumentation searched (classification system follower	d by classification symbols)			
	181/110-113, 118-120, 122, 124				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic o	data base consulted during the international search (na	me of data base and, where practicable,	search terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
A	US 4,437,175 A (BERNI) 13 March 1	984 (13/03/84) ALL	1-38		
Α	US 4,210,897 A (HUTCHINS) 01 July	1-38			
Further documents are listed in the continuation of Box C. See patent family annex.					
A do-	ecial categories of cited documents cument defining the general state of the art which is not considered be of particular relevance	"T" later document published after the inte date and not in conflict with the app the principle or theory underlying the	lication but cited to understand		
"E" ear	rlier document published on or atter the international filing date	"X" document of particular relevance; the considered novel or cannot be considered novel or taken alone	e claimed invention cannot be red to involve an inventive step		
cited to establish the publication date of another citation or other special reason (as specified)		*Y* document of particular relevance; the claimed invention of considered to involve an inventive step when the docu			
me	cument referring to an oral disclosure, use, exhibition or other cans cument published prior to the international filing date but later than	combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			
Date of the actual completion of the international search		Date of mailing of the international search report			
14 JULY 2000		0 2 AUG 2000			
	nailing address of the ISA/US ner of Patents and Trademarks	Authorized officer / KHANH DANG/ Markelesso			
Box PCT	n, D.C. 20231	KHANH DANG/ Markelogo			
Facsimile N	lo. (703) 305-3230	Telephone No. (703) 308-0211			